Title (en)
    GENERATING SEQUENCES FOR REFERENCE SIGNALS

Title (de)
    ERZEUGUNG VON SEQUENZEN FÜR REFERENZSIGNALE

Title (fr)
    GÉNÉRATION DE SÉQUENCES POUR DES SIGNAUX DE RÉFÉRENCE

Publication
    EP 3874650 A4 20220615 (EN)

Application
    EP 18929905 A 20181102

Priority
    CN 2018113829 W 20181102

Abstract (en)
    [origin: WO2020034441A1] Methods, systems, and devices for generating sequences for reference signals in mobile communication technology are described. An exemplary method for wireless communication includes transmitting data, which is modulated using a pi/2-binary phase shift keying (BPSK) modulation, and a reference signal using a plurality of subcarriers, where the reference signal comprises a sequence from a subset of sequences that contains 30 sequences, each with a predetermined length, and where the subset of sequences include at least a first number of fixed sequences and a second number of selected sequences. The method further enables constructing the sequences, which have low peak-to-average power ratio (PAPR) properties, for sequence lengths N = 6, 12, 18, 24 and 30.

IPC 8 full level
    H04L 5/00 (2006.01); **H04L 27/26** (2006.01)

CPC (source: EP KR US)
    H04L 5/0048 (2013.01 - US); **H04L 5/0051** (2013.01 - EP KR US); **H04L 27/20** (2013.01 - US); **H04L 27/2613** (2013.01 - EP KR US); **H04L 27/2614** (2013.01 - EP); **H04L 27/262** (2013.01 - EP KR US); Y02D 30/70 (2020.08 - EP)

Citation (search report)
    [I] QUALCOMM INCORPORATED: "Remaining issues on DMRS design", vol. RAN WG1, no. Reno, USA; 20171127 - 20171201, 5 December 2017 (2017-12-05), XP051370808, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG1%5FRL1/TSGR1%5F91/Docs/> [retrieved on 20171205]

Designated contracting state (EPC)
    AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
    WO 2020034441 A1 20200220; CN 113056884 A 20210629; CN 113056884 B 20230324; EP 3874650 A1 20210908; EP 3874650 A4 20220615; JP 2022517477 A 20220309; JP 2023027402 A 20230301; JP 7228035 B2 20230222; JP 7498766 B2 20240612; KR 20210083345 A 20210706; US 11985088 B2 20240514; US 2021258197 A1 20210819

DOCDB simple family (application)
    CN 2018113829 W 20181102; CN 201880099310 A 20181102; EP 18929905 A 20181102; JP 2021524008 A 20181102; JP 2022209694 A 20221227; KR 20217016738 A 20181102; US 202117245708 A 20210430